

ABSTRACT

A joint for a superconducting cable joints superconducting cables with one another. The superconducting cable comprises a former, superconducting conductor, and insulating layer. The construction of the joint comprises the following steps: preparing a jointing ferrule for jointing the formers, sliding the ferrule over the end portions of the formers to be jointed, butting the end faces of the formers against each other in the jointing ferrule, compressing the jointing ferrule to joint the formers such that the compressed ferrule has a diameter equal to that of the former, butting the end faces of the superconducting conductors against each other at the outside of the compressed ferrule, and jointing the superconducting conductors with each other such that the jointed superconducting conductors have a diameter equal to that of the superconducting conductor of the superconducting cable. The foregoing steps can decrease the size of the joint.